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10/828,697	04/21/2004	Tony McCormack	920476-95929	5390
23644 BARNES & TI	7590 03/22/2007 HORNBURG LLP	EXAMINER		
P.O. BOX 2786			RAYYAN, SUSAN F	
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SHORTENED STATUTOR	RY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
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Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)	
	10/828,697	MCCORMACK ET AL.	
Office Action Summary	Examiner	Art Unit	
	Susan F. Rayyan	2167	
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet with	the correspondence address	
A SHORTENED STATUTORY PERIOD FOR REP WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory perions for reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the main earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICA 1.136(a). In no event, however, may a reply of will apply and will expire SIX (6) MONTHS ute, cause the application to become ABAN	TION. be timely filed from the mailing date of this communication. DONED (35 U.S.C. § 133).	
Status .			
1) ☐ Responsive to communication(s) filed on 19 2a) ☐ This action is FINAL. 2b) ☐ The 3) ☐ Since this application is in condition for allow closed in accordance with the practice under	nis action is non-final. vance except for formal matters	•	
Disposition of Claims			
4) Claim(s) 1-13 is/are pending in the application 4a) Of the above claim(s) is/are withdress 5) Claim(s) is/are allowed. 6) Claim(s) 1-13 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and	rawn from consideration.		
Application Papers	•		
9) The specification is objected to by the Exami 10) The drawing(s) filed on is/are: a) a Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct of the oath or declaration is objected to by the	ccepted or b) objected to by ne drawing(s) be held in abeyance ection is required if the drawing(s)	. See 37 CFR 1.85(a). is objected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the priority docume application from the International Bure * See the attached detailed Office action for a lie	ents have been received. ents have been received in Appriority documents have been releau (PCT Rule 17.2(a)). ist of the certified copies not re	lication No ceived in this National Stage ceived.	
Attachment(s) 1) D Notice of References Cited (PTO-892)	3/10/ 4) ☐ Interview Sun	nmary (PTO-413)	
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/N	Mail Date rmal Patent Application	

Application/Control Number: 10/828,697 Page 2

Art Unit: 2167

DETAILED ACTION

1. Claims 1-13 are pending. Claims 14-15 are canceled.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-4,6-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent Number 7,110523 issued to Michael D. Gagle et al ("Gagle") in view of US Publication Number 2006/0123060 issued to Christopher J. Allen et al ("Allen").

As per independent claim 1, Gagle teaches:

A network comprising a plurality of contact centers each contact center (column 1, lines 7-10, a plurality of contact centers) comprising:

- (i) a contact object memory storing a plurality of contact objects each representing a different contact in the network of contact centers (column 4, lines 5-10 and Figure 3, element 122 as call queue server is updated with details about the call);
- and (ii) an agent object memory storing a plurality of agent objects each representing a different agent in the network of contact centers (column 5, lines 8-12 as call center server directs call to an available agent and thus stores agent objects), each of said

plurality of agent objects comprising information representing a respective agent and its availability (column 5, lines 47-48, agent availability);

said contact objects and ... being replicated and synchronized at each of the contact centers (column 5, lines 37-45 as replicating details of incoming calls to each of the call center servers) whereby the network comprising aid plurality of contact centers does not require a central network queue manager (column 1, lines 42-45, as another form includes several call center servers, and updating the call centers with details about each incoming call at the other call center servers).

Gagle does not explicitly teach agent objects being synchronized. Allen does teach this limitation (paragraph 10) to select best-fit agent. It would have been obvious to a person of ordinary skill in the art at the time of the invention was made to modify Gagle with agent object being synchronized to select the best-fit agent for a call (paragraph 10, lines 15-16) as taught by Allen.

As per claim 2, same as claim arguments above and Gagle teaches:

wherein each of said contact centers is arranged to receive incoming contacts directly at that contact center (column 7, lines 5-6 as incoming calls to the call center server 24A).

As per claim 3, same as claim arguments above and Gagle teaches:

wherein at least one of said contact centers is arranged to operate in a first mode and a second mode whereby in said first mode at least some incoming contacts received directly at that contact center are serviced only by said contact center (column 4, lines

Application/Control Number: 10/828,697

Art Unit: 2167

5-34,as agent accepts a call) and whereby in said second mode at least some incoming contacts received directly at that contact center are serviced at any suitable contact center in the network (column 5, lines 8-11 as route call to available agent in the network).

As per claim 4, same as claim arguments above and Gagle teaches: wherein each of the contact centers further comprises a processor arranged to access the contact objects and the agent objects stored at that contact center in order to allocate a contact to the most suitable agent network-wide (column 5, lines 48-49 as share workload according to agent resources and skills).

As per claim 6, same as claim arguments above and Gagle teaches: wherein each of the contact centers further comprises a processor arranged to access the contact objects and the agent objects stored at that contact center such that when an agent becomes available at that contact center a contact is selected for that agent network-wide (column 5, lines 37-50 as allows call center servers to share queue information and share workload according to available agent resources and skills).

As per independent claim 7 Gagle teaches:

A contact center for use in a network of contact centers, said contact center (column 1, lines 7-10, a plurality of contact centers) comprising:

(i) a contact object memory storing a plurality of contact objects each representing a different contact in the network of contact centers(column 4, lines 5-10 and Figure 3, element 122 as call queue server is updated with details about the call); and (ii) an agent object memory storing a plurality of agent objects each representing a different agent in the network of contact centers(column 5, lines 8-12 as call center server directs call to an available agent and thus stores agent objects) each of said

plurality of agent objects comprising information representing a respective agent and its

availability (column 5, lines 47-48, agent availability);

(iii) means for notifying changes in any of the said contact objects ... to other contact centers in the network of contact centers to there by replicate and synchronize said contact and agent objects with those at each of the other contact centers (column 5, lines 37-45 as replicating details of incoming calls to each of the call center servers).

Gagle does not explicitly teach agent objects being synchronized. Allen does teach this limitation (paragraph 10) to select best-fit agent. It would have been obvious to a person of ordinary skill in the art at the time of the invention was made to modify Gagle with agent object being synchronized to select the best-fit agent for a call (paragraph 10, lines 15-16) as taught by Allen.

As per independent claim 8 Gagle teaches:

A method of managing a contact in a network of contact centers center (column 1, lines 7-10, a plurality of contact centers) said method comprising:

(i) at each contact center in the network storing a plurality of contact objects each representing a different contact in the network of contact centers(column 4, lines 5-10 and Figure 3, element 122 as call queue server is updated with details about the call); and (ii) at said each contact center storing a plurality of agent objects each

call center server directs call to an available agent and thus stores agent objects) each of said plurality of agent objects comprising information representing a respective agent and its availability (column 5, lines 47-48, agent availability);

representing a different agent in the network of contact centers(column 5, lines 8-12 as

and (iii) at said each contact center, notifying all other contact centers of any changes in contact objects and agent objects stored at said contact center to thereby replicate and synchronize said contact objects ... at each of the contact centers in the network(column 5, lines 37-45 as replicating details of incoming calls to each of the call center servers).

Gagle does not explicitly teach agent objects being synchronized. Allen does teach this limitation (paragraph 10) to select best-fit agent. It would have been obvious to a person of ordinary skill in the art at the time of the invention was made to modify Gagle with agent object being synchronized to select the best-fit agent for a call (paragraph 10, lines 15-16) as taught by Allen.

As per claim 9, same as claim arguments above and Gagle teaches:

Application/Control Number: 10/828,697

Art Unit: 2167

which further comprises receiving an incoming contact directly at any of said contact centers in the network(column 7, lines 5-6 as incoming to call center server 24A).

As per claim 10, same as claim arguments above and Gagle teaches:

which comprises operating each contact center in a first mode and a second mode whereby in said first mode at least some incoming contacts received directly at that contact center are serviced only by said contact center (column 4, lines 5-34, as agent accepts a call);

and whereby in said second mode at least some incoming contacts received directly at that contact center are serviced at any suitable contact center in the network(column 5, lines 8-11 as route call to available agent in the network).

As per claim 11, same as claim arguments above and Gagle teaches: which further comprises using a processor at any of the contact centers to access the contact objects and the agent objects stored at that contact center in order to allocate a contact to the most suitable agent network-wide (column 5, lines 48-49 as share workload according to agent resources and skills).

As per claim 12, same as claim arguments above and Gagle teaches: which further comprises using a processor at any of the contact centers to access the contact objects and the agent objects stored at that contact center such that when an

Application/Control Number: 10/828,697

Art Unit: 2167

agent becomes available at that contact center a contact is selected for that agent network-wide(column 5, lines 37-50 as allows call center servers to share queue information and share workload according to available agent resources and skills).

As per independent claim 13 Gagle teaches:

A method of operating a contact center in a network of contact centers center (column 1, lines 7-10, a plurality of contact centers), said method comprising the steps of:

(i) at said contact center storing a plurality of contact objects each representing a different contact in the network of contact centers(column 4, lines 5-10 and Figure 3, element 122 as call queue server is updated with details about the call);

(ii) at said contact center storing a plurality of agent objects each representing a different agent in the network of contact centers(column 5, lines 8-12 as call center server directs call to an available agent and thus stores agent objects) each of said plurality of agent objects comprising information representing a respective agent and its availability (column 5, lines 47-48, agent availability);

(iii) notifying all other contact centers of any changes in contact objects and agent objects to thereby replicate ... said contact objects and agent objects with those at each of the other contact centers(column 5, lines 37-45 as replicating details of incoming calls to each of the call center servers).

Gagle does not explicitly teach agent objects being synchronized. Allen does teach this limitation (paragraph 10) to select best-fit agent. It would have been obvious to a person of ordinary skill in the art at the time of the invention was made to modify

Gagle with agent object being synchronized to select the best-fit agent for a call (paragraph 10, lines 15-16) as taught by Allen.

Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Gagle in view of Allen as applied to claims 1 above, and further in view US Patent 6,636,599 issued to David Mullen ("Mullen").

As per claim 5, same as claim arguments above and Gagle and Allen do not explicitly teach wherein said most suitable agent network-wide is a network longest-idle agent. Mullen does teach this limitation (column 5, lines 65 to column 6, line 3) to preclude disportionate idle time to some agents. It would have been obvious to a person of ordinary skill in the art at the time of the invention was made to modify Gagle and Allen with wherein said most suitable agent network-wide is a network longest-idle agent to preclude disportionate idle time to some agents (column 6, lies 64-66).

Response to Arguments

3. Applicant's arguments filed January 19, 2007 have been fully considered but they are not persuasive.

Applicant's arguments with respect to claims 1-13 have been considered but are most in view of the new ground(s) of rejection.

Applicant argues prior art of record does not teach each of said plurality of agent objects comprising information representing a respective agent and its availability. Examiner disagrees and finds Gagle teaches this limitation at column 5, lines 47-50, as available agent resources and skills. Call centers receive information on the availability of agent resources, skills and current activity).

Applicant argues prior art of record does not teach the network comprising said plurality of contact centers does not require a central network queue manager. Examiner finds Gagle does teach this limitation at column 1, lines 42-45, as another form includes several call center servers, and updating the call centers with details about each incoming calls at the other call center servers. Each respective queue of the contact centers display a global view of each call activity.

In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies (i.e., (a) Each contact center has an up-to-date view on all contacts 'queued' in the system and the availability status (among other information such as skill sets) of all agents in the system. If any of the contact centers suffers a failure in at least its ability to

notify changes in contact objects and agent objects stored at that contact center, the remaining contact centers can still operate to share workload through the replication and synchronization process. (b) the availability of the agent is known at the time of matching an agent to a 'queued'; (c) Matching of contact objects with agent objects to process a contact) are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

Applicant argues neither of Gagle or Allen teach arranging each of the contact centers to notify all of the other contact centers of changes in any of the contact objects and agents objects stored at said contact center. Gagle teaches notifying all other contact centers of any changes in contact objects and agent objects to thereby replicate ... said contact objects and agent objects with those at each of the other contact centers(column 5, lines 37-45 as replicating details of incoming calls to each of the call center servers). Gagle does not explicitly teach agent objects being synchronized. Allen does teach this limitation (paragraph 10) to select best-fit agent. It would have been obvious to a person of ordinary skill in the art at the time of the invention was made to modify Gagle with agent object being synchronized to select the best-fit agent for a call (paragraph 10, lines 15-16) as taught by Allen.

Applicant argues neither Gagle or Allen teach agent availability. Examiner finds this limitation taught by Gagle at column 5, lines 47-48 as available agent resources (see rejection above).

Application/Control Number: 10/828,697 Page 12

Art Unit: 2167

Conclusion

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Contact Information

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Susan Rayyan whose telephone number is (571) 272-1675. The examiner can normally be reached M-F: 8am - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cottingham can be reached on (571) 272-7079. The fax phone

Application/Control Number: 10/828,697 Page 13

Art Unit: 2167

number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Susan Rayyan

March 10, 2007

PRIMARY EXAMINER